

ABSTRACT

An object of the present invention is to provide a green pigment for a color filter, capable of displaying the chromaticity coordinates not to be displayed by the conventional green pigments, having the excellent color strength as a green color which is not excessively strong in a blue tinge, and a high transmittance, and moreover, to provide a photosensitive color composition, a pigment dispersion, a color filter and a liquid crystal panel, using the above-mentioned green pigment.

In order to achieve the above-mentioned object, the present invention provides a green pigment for a color filter comprised of a phthalocyanine green pigment and capable of expressing a region of xy-chromaticity coordinate enclosed by predetermined equations 1, 2 and 3 defined by the XYZ color system of the CIE when the green pigment is solely subjected to colorimetry. Moreover, using the above-mentioned green pigment, it provides a photosensitive color composition capable of forming a color filter having a wide color reproduction range and a high transmittance. Furthermore, it provides a color filter having a wide color reproduction range and a high transmittance with a green pixel formed using the above-mentioned photosensitive color composition, and a liquid crystal panel using the color filter.